



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D5370-1

Job Sheet 173807



DAS
13
9-89

Part No: D5370-1

Job Qty: 10 ea

Part Name: Fitting



Part Weight: 0 lbs

Status: Scheduled

MAR 08 2018

Priority: Medium

Job Created: 3/7/18

Job Tracking No:

Due Date: 3/9/18

Created By: Michelle Gagnon-Donovan

Type: SOLD

Description:

Note: D5370 REV: B IPP REV: A NEW ISSUE 16-02-01 VERIFIED BY: DD IPP REV: B 17.09.15 AS PER DWG B DD VERF: DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	10 pcs	3/8/18	3/8/18	0.00	0.00	Purchasing		AT 18/03/18
110	Packaging	10 pcs	3/8/18	3/8/18	0.00	0.00	Packaging2		AT 18/03/18
120	QC	10 pcs	3/8/18	3/8/18	0.00	0.00	QC6		11 MAR 12 2018
130	CNC Vertical Machining	10 pcs	3/9/18	3/9/18	0.00	2.21	HAAS 5 Axis		11 9-89 18-04-19
140	QC	10 pcs	3/9/18	3/9/18	0.00	0.00	QC2 Machining-5		11 18-04-19
150	QC	10 pcs	3/9/18	3/9/18	0.00	0.00	QC8 Machining-5		11 18-04-19
160	Packaging	10 pcs	3/9/18	3/9/18	0.00	0.00	Packaging3-2	5159	11 18-04-19
170	QC21-SA	10 Ea	3/9/18	3/9/18	0.00	0.00	QC21		APR 25 2018

Part Op 100 - ISSUE P/O: VENDOR: MCMASTE CARR VENDOR PN: 50715K677 C OF C IS REQUIRED
Descriptions: 130 - DRILL LOCKWIRE HOLES AS PER DWG SECTION A-A

MAR 08 2018

DAS
13
9-89

DAS
21
9-89

APR 25 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
50715K677	Flared Tube Fitting SS	10 (1 ea)	100-Purchasing	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	50715K677	10	0	0

Part Specifications

Specifications could not be found.

Plex 3/7/18 12:42 PM Dart.Gagnon.Michelle



PART NO: D5370 - 1
Serial No/Batch: S050354
Revision:
Operation:
Change No:

Packaging

Mfg Date: 03/12/18
Job No: 173807

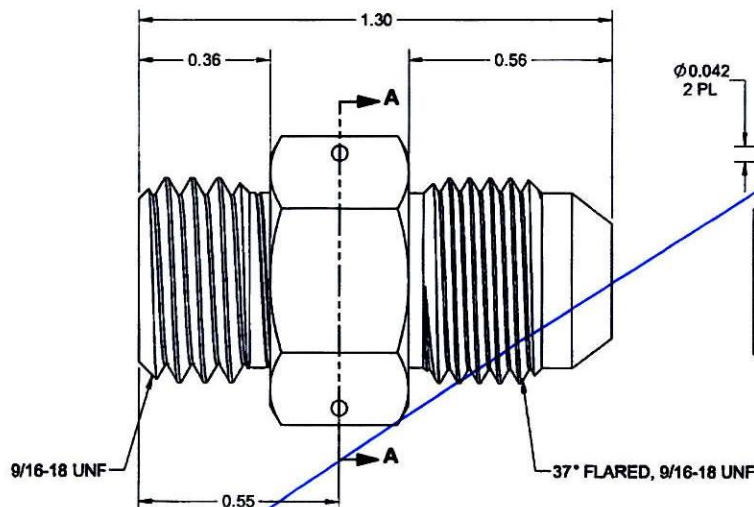
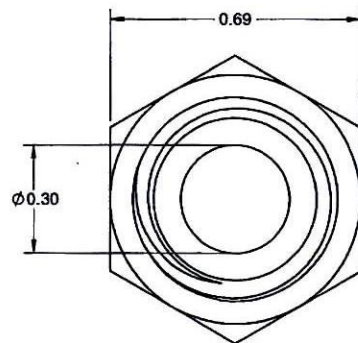
SHOP COPY
RETURN TO
ENGINEERING

UNCONTROLLED COPY
SUBJECT TO AMENDMENT

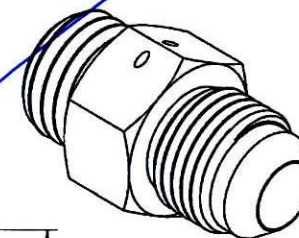
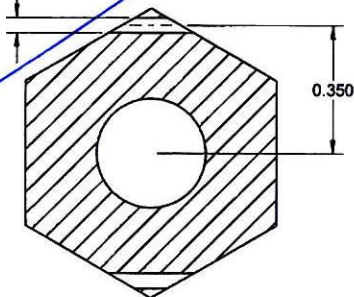
WITHOUT NOTICE
WORK ORDER
NO. 173807 *ms*

MAR 07 2018

SPECIFICATION CONTROL DRAWING



Ø0.042
2 PL



DART PN	DESCRIPTION	TUBE O.D.	VENDOR	VENDOR PN	MATERIAL	WEIGHT	ALTERNATIVE P/N
D5370-1	37 DEGREE FLARED TUBE FITTING	3/8	MCMaster-CARR	50715K677	316 S.S.	0.07 LBS	MS21900K6

D5370-1 ADAPTER Δ

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER DART QSI 044 6.7
- 7) WEIGHT: SEE TABLE
- 8) ADD LOCKWIRE HOLES PER SECTION A-A

RELEASED
11 2017-09-19
6CJ17-613

APPROVED

REV.	DESCRIPTION	BY	DATE
B	REVISED FITTING SIZE	WK	17.09.07
A	NEW ISSUE	CC	16.01.07
DESIGN	CC		
DRAWN	WK		
CHECKED	VS		
MFG. APPR.	DD		
APPROVED	HS		
DE APPR.	DS		
DATE	17.09.07		

DART AEROSPACE USA INC
EUGENE, OREGON, USA

DRAWING NO. **D5370**

TITLE **ADAPTER**

REV. B
SHEET 1 OF 1
SCALE
NTS

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Chantal Lavoie

From: Harvey Siemens
Sent: Thursday, March 08, 2018 9:32 AM
To: Linda Lacelle; Chantal Lavoie
Cc: Wade Kennedy; Steven Drouin
Subject: Re: D5370-1

Linda best bet is to talk with Steve D. He can follow this through the process and make it a priority as required

Regards,

Harvey Siemens

Sent from my mobile device, please forgive spelling mistakes and weird auto-corrections

From: Linda Lacelle
Sent: Thursday, March 8, 2018 7:19:48 AM
To: Harvey Siemens; Chantal Lavoie
Cc: Wade Kennedy
Subject: RE: D5370-1

GENERATE WHAT?

From: Harvey Siemens
Sent: Thursday, March 8, 2018 8:59 AM
To: Linda Lacelle <llacelle@dartaero.com>; Chantal Lavoie <clavoie@dartaero.com>
Cc: Wade Kennedy <wkennedy@dartaero.com>
Subject: RE: D5370-1

Linda,

(Sigh), yes we should change the drawing to call out this new number. Can you generate (or cause to be generated) an XXR to capture that part number change?

Thanks

HS

From: Linda Lacelle
Sent: Wednesday, March 7, 2018 4:08 PM
To: Harvey Siemens <hsiemens@dartaero.com>; Chantal Lavoie <clavoie@dartaero.com>
Cc: Wade Kennedy <wkennedy@dartaero.com>
Subject: Re: D5370-1

will the drwg have to be changed??

From: Harvey Siemens
Sent: Wednesday, March 7, 2018 5:57:23 PM

To: Chantal Lavoie
Cc: Wade Kennedy; Linda Lacelle
Subject: RE: D5370-1

Chantal,
Looks like it's the same thing from the description. Seems to make sense to me that that is a valid alternate.

Wade,
Please confirm.

HS

From: Chantal Lavoie
Sent: Wednesday, March 7, 2018 1:07 PM
To: Harvey Siemens <hsiemens@dartaero.com>
Cc: Wade Kennedy <wkennedy@dartaero.com>; Linda Lacelle <llacelle@dartaero.com>
Subject: D5370-1

Good afternoon Harvey,
Just rec'd a w/o to order D5370-1 McMaster p/n: 50715K677, on McMaster web site part no longer available. Please see link below, replace by 50715K832.
<https://www.mcmaster.com/#catalog/124/212/=1bvbsrp>

Chantal Lavoie
Purchasing Coordinator

DART AEROSPACE
T 1 613 632-5200
F 1 613 632-1053
E clavoie@dartaero.com
1 800 556- 4166
www.dartaerospace.com





Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO039238

Supplier: MCM001-VU
McMaster-Carr Supply Co.
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

PO No: PO039238

PO Date: 3/7/18

Due Date: 3/12/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
MAR 08 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

Items											
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price	
1	92311A639	D2747	SS Set Screw	Firmed	3/12/18	250 pcs	0 pcs	250 pcs	\$0.626/pcs	\$156.50	
2	91525A120		washer : AS PER DWG D3456 REV.A	Firmed	3/12/18	50 pcs	0 pcs	50 pcs	\$0.232/pcs	\$11.60	
3	92311A564	D3533-1	Set Screw	Firmed	3/12/18	200 pcs	0 pcs	200 pcs	\$0.2374/pcs	\$47.48	
4	6541K38	D5528-1	Ear Clamp receive pcs	Firmed	3/12/18	25 Ea	0 Ea	25 Ea	\$0.3832/Ea	\$9.58	
5	6519T14	D5528-1	Tubing 10 pcs of 10 ft long	Firmed	3/12/18	10 Ea	0 Ea	10 Ea	\$48.20/Ea	\$482.00	
6	98378A909	1/pk	Perforator Pin .129" X 2-1/2"	Firmed	3/12/18	12 Ea	0 Ea	12 Ea	\$5.92/Ea	\$71.04	
7	188-FPSS-1/4 20-3/8	92313A535 25/pk	Set Screw	Firmed	3/9/18	50 Ea	0 Ea	50 Ea	\$0.1628/Ea	\$8.14	
Line Item Note please ship item overnight fed ex on acct: 151793240											
8	91292A127	50/pk	Socket Head Cap Screw, M5 x 0.8mm x 18mm receive ea	Firmed	3/12/18	50 Ea	0 Ea	50 Ea	\$0.528/Ea	\$26.40	
9	90327A157	25/pk	Socket Head Cap Screw M8 x 1.25 x 20mm receive ea	Firmed	3/12/18	25 Ea	0 Ea	25 Ea	\$0.0812/Ea	\$2.03	
10	90128A249	100/pk	Socket Head Cap Screw M5 x 0.8 x 25mm receive ea	Firmed	3/12/18	100 Ea	0 Ea	100 Ea	\$0.0812/Ea	\$8.12	
11	92005A218	100/pk	Pan Head Screw M4 x 0.7 x 8mm receive ea	Firmed	3/12/18	100 Ea	0 Ea	100 Ea	\$0.0812/Ea	\$8.12	
12	23065A504	SIZE: 0.3070"	Plug No-Go Gauge receive ea	Firmed	3/12/18	6 Ea	0 Ea	6 Ea	\$3.89/Ea	\$23.34	

Plex 3/8/18 11:27 AM dart.lavoie.chanta

3/8/2018

PURCHASE ORDER

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
13	35355T26	1/pk	Anchor Shackle	Firmed	3/12/18	6 Ea	0 Ea	6 Ea	\$9.28/Ea	\$55.68
						6x		AT 18/03/12		
14	35685T55	1/pk	D-Shackle w/Elongated Body	Firmed	3/12/18	6 Ea	0 Ea	6 Ea	\$12.01/Ea	\$72.06
						6x		AT 18/03/12		
15	3440T55	50 ft	Lifting Cable	Firmed	3/12/18	50 Ea	0 Ea	50 Ea	\$1.34/Ea	\$67.00
						50x		AT 18/03/12		
16	3494T12		Lifting Thimble receive ea	Firmed	3/12/18	40 Ea	0 Ea	40 Ea	\$0.66/Ea	\$26.40
						40x		AT 18/03/12		
17	3755T17	2/pk	Lifting Oval Sleeve receive ea	Firmed	3/12/18	30 Ea	0 Ea	30 Ea	\$4.065/Ea	\$121.95
						30x		AT 18/03/12		
18	8948T12		Welded Master Link receive ea	Firmed	3/12/18	4 Ea	0 Ea	4 Ea	\$75.65/Ea	\$302.60
						4x		AT 18/03/12		
19	9657K393	6/pk	Compression Spring	Firmed	3/12/18	12 Ea	0 Ea	12 Ea	\$1.156666/Ea	\$13.88
						12x		AT 18/03/12		
20	98750A317	1/pk	All Thread receive ea	Firmed	3/12/18	20 Ea	0 Ea	20 Ea	\$2.58/Ea	\$51.60
						20x		AT 18/03/12		
21	92196A345	10/pk	Socket Head Cap Screw receive ea	Firmed	3/12/18	200 Ea	0 Ea	200 Ea	\$0.715/Ea	\$143.00
						200x		AT 18/03/12		
22	50715K677	50715K832	Flared Tube Fitting SS	Firmed	3/12/18	20 Ea	0 Ea	20 Ea	\$10.05/Ea	\$201.00
	Jus 173807 05370-1					20x		AT 18/03/12		
23	7856K77	25 ft	Heat Shrink Tubing Color Black	Firmed	3/12/18	25 pcs	0 pcs	25 pcs	\$1.0496/pcs	\$26.24
						25x		AT 18/03/12		
24	90177A218	50/pk	Split Ring Zinc-Plated Steel Split Ring 1" OD, 13/16" ID, 1/8" Thick	Firmed	3/12/18	50 Ea	0 Ea	50 Ea	\$0.2452/Ea	\$12.26
						50x		AT 18/03/12		
25	90174A113	25/pk	Retaining Pin	Firmed	3/12/18	50 Ea	0 Ea	50 Ea	\$0.2756/Ea	\$13.78
						50x		AT 18/03/12		
26	94975A162	1/pk	Quick Release Pin Quick Release Pin W/Lanyard	Firmed	3/12/18	12 Ea	0 Ea	12 Ea	\$4.49/Ea	\$53.88
						12x		AT 18/03/12		
27	90272A189	50/pk	Machine Screw screw 8-32/3/16" long	Firmed	3/12/18	50 Ea	0 Ea	50 Ea	\$0.0608/Ea	\$3.04
						100x		AT 18/03/12		
Grand Total:										\$2,018.72

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/8/18 11:27 AM dart.lavoie.chantal



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO039238
Order Placed By
Chantal Lavoie

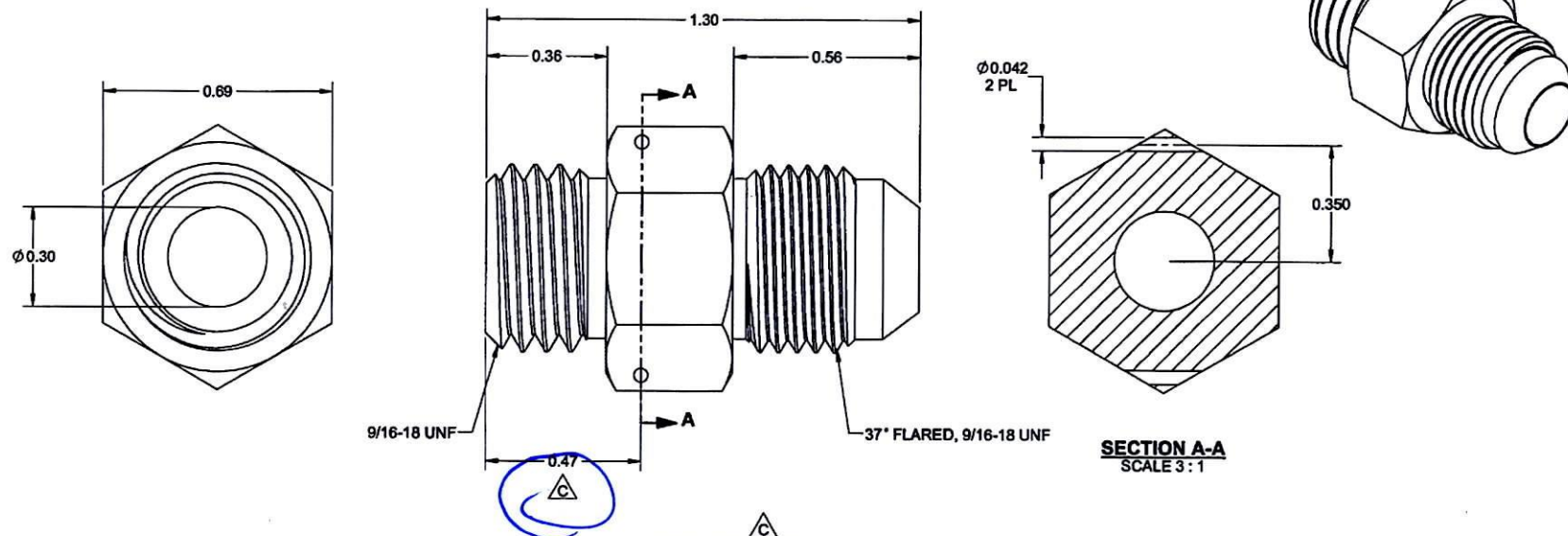
McMaster-Carr Number
8348265-03

Page 1 of 2
03/08/2018

Line	Product	Ordered	Shipped
4	6541K38 Vibration-Resistant Zinc-Plated Steel Double Pinch Clamps, 31/64" to 19/32" ID, for Firm Hose and Tube, Packs of 25	1 Pack	1
5	6519T14 Ultra-Chemical-Resistant Versilon PVC Tubing, 3/8" ID, 9/16" OD	100 Feet	100
7	91292A127 18-8 Stainless Steel Socket Head Screw, M5 x 0.8 mm Thread, 18 mm Long, Packs of 50	1 Pack	1
8	90327A157 Alloy Steel Low-Profile Socket Head Screws, Zinc-Plated, M8 x 1.25 mm Thread Pitch, 20 mm Long, Packs of 25	1 Pack	1
10	92005A218 Steel Pan Head Phillips Screw, M4 x 0.7 mm Thread, 8 mm Long, Packs of 100	1 Pack	1
11	23065A504 Class Z Plug No-Go Gauge, 0.307" Size	6 Each	6
12	35355T26 Screw-Pin Shackle - Not for Lifting, 3/8" Thick	6 Each	6
13	35685T55 Screw-Pin Elongated Shackle - Not for Lifting, 3/8" Thick	6 Each	6
14	3440T55 Wire Rope - for Lifting, 3/16" Diameter, 50' Length	50 Feet	50
15	3494T12 Medium Duty Wire Rope Thimble - Not for Lifting, Zinc-Plated Steel, for 3/16" Rope Diameter	40 Each	40
16	3755T17 Wire Rope Compression Sleeve - for Lifting for Stainless Steel and Steel Rope, 18-8 Stainless Steel, for 3/16" Rope Diameter, Packs of 2	15 Packs	15
17	8948T12 Oblong Link Assembly- for Lifting, Grade 80, for 7/32 Chain Trade Size	4 Each	4
18	9657K393 Compression Spring, Zinc-Plated, Music-Wire, Closed & Flat End, 2" Long, 0.374" ID, Packs of 6	2 Packs	2
19	98750A317 Grade B7 Medium-Strength Steel Threaded Rod, 3/4"-10 Thread Size, 6" Long	20 Each	20
21	50715K832 37 Degree Flared Fitting for Stainless Steel Tubing, Straight Adapter for 3/8" Tube OD, 9/16"-18 UNF Male	20 Each	20
22	7856K77 Heat-Shrink Tubing, 25 Feet Long, 0.5" ID Before Shrinking, Black	1 Each	1
23	90177A218 Zinc-Plated Steel Split Rings, 1" OD, 13/16" ID, 1/8" Thick, Packs of 50	1 Pack	1
24	90174A113 Zinc-Plated Steel Coiled Bent-Wire Locking Pins, 1/16" Diameter, 1-1/16" Usable Length, Packs of 25	2 Packs	2

DAS
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9-89

SPECIFICATION CONTROL DRAWING



DART PN	DESCRIPTION	TUBE O.D.	VENDOR	VENDOR PN	MATERIAL	WEIGHT	ALTERNATIVE P/N
D5370-1	37 DEGREE FLARED TUBE FITTING	3/8	MCMaster-CARR	50715K832	316 S.S.	0.07 LBS	MS21900K6

D5370-1 ADAPTER

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER DART QSI 044 6.7
- 7) WEIGHT: SEE TABLE
- 8) ADD LOCKWIRE HOLES PER SECTION A-A

RELEASED

2018 APR 02
EN 18-655

C	REVISED VENDOR PN, WAS 50715K677. REVISED LOCKWIRE HOLE LOCATION, WAS 0.55	WK	18.03.08
B	REVISED FITTING SIZE	WK	17.09.07
A	NEW ISSUE	CC	18.01.07
REV.	DESCRIPTION	BY	DATE
DESIGN	CC	DART AEROSPACE USA INC EUGENE, OREGON, USA	
DRAWN	WK		
CHECKED	RF	DRAWING NO.	REV. C
MFG. APPR.	JFS	D5370	SHEET 1 OF 1
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	ADAPTER	NTS
DATE	18.03.08	COPYRIGHT © 2018 BY DART AEROSPACE USA INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA INC	

David Duval

From: Wade Kennedy
Sent: April-19-18 1:48 PM
To: David Duval
Cc: Harvey Siemens
Subject: RE: D5370

They are still good, only moved the hole so that it didn't interfere with a cutout on the MS21900K6 alternative part.
Wade

From: David Duval
Sent: April 19, 2018 11:44 AM
To: Wade Kennedy <wkennedy@dartaero.com>
Cc: Harvey Siemens <hsiemens@dartaero.com>
Subject: D5370

Hi.

For D5370-1 adapter, we have qty6 that the lock wire holes are made as per rev.b

Do we scrap them are they are good?

Thanks.

DAVID DUVAL
Production Engineering Supervisor

DART AEROSPACE
T 1 613 632-5200 > 234
F 1 613 632-5246
1 800 556- 4166
www.dartaerospace.com

